NISOURCE GAS DISTRIBUTION

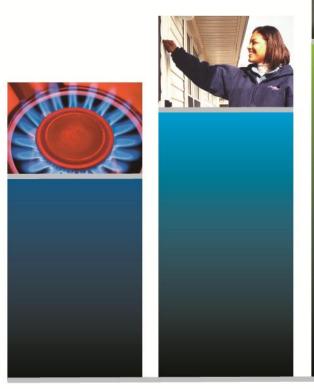
Columbia Gas of Virginia

System Knowledge - Capture the Opportunities

Dave Schmidt
Corrosion & Leakage F.L.L.

October 8th, 2013









Highlights Of The Requirements

• July 2012 – Corrosion Settlement Order Commences



Highlights Of The Requirements

- July 2012 Corrosion Settlement Order Commences
- Must Complete C.I.S. On All Transmission Class Lines



Highlights Of The Requirements

- July 2012 Corrosion Settlement Order Commences
- Must Complete C.I.S. On All Transmission Class Lines
- Must Complete Review Of Corrosion Procedures



Highlights Of The Requirements

- July 2012 Corrosion Settlement Order Commences
- Must Complete C.I.S. On All Transmission Class Lines
- Must Complete Review Of Corrosion Procedures
- Must Identify And Document All Isolated Short Sections (Including Main Less Than 100', Steel Valves In Plastic Systems and Specialized Piping In Regulator Stations)



Highlights Of The Requirements

- July 2012 Corrosion Settlement Order Commences
- Must Complete C.I.S. On All Transmission Class Lines
- Must Complete Review Of Corrosion Procedures
- Must Identify And Document All Isolated Short Sections (Including Main Less Than 100', Steel Valves In Plastic Systems and Specialized Piping In Regulator Stations)
- Must Inspect Corrosion Leaks For Compliance With Subpart I

So What Do These All Have In Common?



Data! Data! Data!

 Approximately 265,000 Services Identified In The System Through DIS



- Approximately 265,000 Services Identified In The System Through DIS
- All Services Identified Were Compared To Service Line Order Cards



- Approximately 265,000 Services Identified In The System Through DIS
- All Services Identified Were Compared To Service Line Order Cards
- Any Corrosion Related Discrepancies Field Investigated



- Approximately 265,000 Services Identified In The System Through DIS
- All Services Identified Were Compared To Service Line Order Cards
- Any Corrosion Related Discrepancies Field Investigated
- All Other Discrepancies Noted and Referred To Appropriate Dept



- Approximately 265,000 Services Identified In The System Through DIS
- All Services Identified Were Compared To Service Line Order Cards
- Any Corrosion Related Discrepancies Field Investigated
- All Other Discrepancies Noted and Referred To Appropriate Dept
- Regulator Stations Investigated, Discrepancies Field Investigated



Data! Data! Data!

- Approximately 265,000 Services Identified In The System Through DIS
- All Services Identified Were Compared To Service Line Order Cards
- Any Corrosion Related Discrepancies Field Investigated
- All Other Discrepancies Noted and Referred To Appropriate Dept
- Regulator Stations Investigated, Discrepancies Field Investigated
- Steel Valves In Plastic Systems Investigated, Discrepancies Field Investigated

Now To The Field!



Data! Data! Data!

Protected Services Identified With Circuit Number



- Protected Services Identified With Circuit Number
- "Orphaned" Assets Identified And Monitored



- Protected Services Identified With Circuit Number
- "Orphaned" Assets Identified And Monitored
- Current Potential Profile Of Transmission Class Lines



- Protected Services Identified With Circuit Number
- "Orphaned" Assets Identified And Monitored
- Current Potential Profile Of Transmission Class Lines
- GPS Location Of Test Points Including "Orphans"



Data! Data! Data!

- Protected Services Identified With Circuit Number
- "Orphaned" Assets Identified And Monitored
- Current Potential Profile Of Transmission Class Lines
- GPS Location Of Test Points Including "Orphans"
- Accurate Google Earth Maps Of Protected Pipe W/Circuit Number And Attributes

What To Do Now?



Results! Results! Results!

Update Test Point Records W/Circuit Number



- Update Test Point Records W/Circuit Number
- Update Circuit Records From Construction Work



- Update Test Point Records W/Circuit Number
- Update Circuit Records From Construction Work
- Monitor "Orphans" As A "Pool" And Observe For Trends



- Update Test Point Records W/Circuit Number
- Update Circuit Records From Construction Work
- Monitor "Orphans" As A "Pool" And Observe For Trends
- Update Transmission Class Potential Profiles W/Current Reads



- Update Test Point Records W/Circuit Number
- Update Circuit Records From Construction Work
- Monitor "Orphans" As A "Pool" And Observe For Trends
- Update Transmission Class Potential Profiles W/Current Reads
- Forward Field Verifications To GIS For Map Corrections



Results! Results! Results!

- Update Test Point Records W/Circuit Number
- Update Circuit Records From Construction Work
- Monitor "Orphans" As A "Pool" And Observe For Trends
- Update Transmission Class Potential Profiles W/Current Reads
- Forward Field Verifications To GIS For Map Corrections
- Forward Copies Of Our "Master Spreadsheet" To Other Depts For "Data Mining"

Thank You!

